

Amendments to the Claims:

Claims 1-6, 19, and 21 are pending. This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (original) A method of mapping at least one web service to at least one OSGi service, the method comprising:
 - creating a proxy bundle corresponding to the at least one web service;
 - registering a proxy web service corresponding to the proxy bundle in a service registry;
 - searching for the at least one web service in the service registry;
 - returning a reference to the proxy web service from the service registry in response to the searching; and
 - invoking at least one method on the returned reference, thereby invoking the at least one web service.
2. (original) The method of claim 1 wherein the creating comprises:
 - retrieving WSDL of the at least one web service; and
 - parsing the retrieved WSDL to get a list of packages used by the at least one web service.
3. (original) The method of claim 2 further comprising:
 - saving the retrieved WSDL in a JAR file.
4. (original) The method of claim 3 wherein the saving comprises:
 - storing the list of packages in a bundle manifest corresponding to the proxy bundle..
5. (original) The method of claim 2 further comprising:
 - optimally generating class files that correspond to the WSDL rather than using existing class files.

6. (original) The method of claim 1 wherein the registering comprises:
using a list of properties from the proxy bundle as service properties.
7. (canceled)
8. (canceled)
9. (canceled)
10. (canceled)
11. (canceled)
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)
16. (canceled)
17. (canceled)
18. (canceled)
19. (original) A system of mapping at least one web service to at least one OSGi service, the system comprising:

a creating module configured to create a proxy bundle corresponding to the at least one web service;

a registering module configured to register a proxy web service corresponding to the proxy bundle in a service registry;

a searching module configured to search for the at least one web service in the service registry;

a returning module configured to return a reference to the proxy web service from the service registry in response to the searching; and

an invoking module configured to invoke at least one method on the returned reference, thereby invoking the at least one web service.

20. (canceled)

21. (original) A computer program product usable with a programmable computer having readable program code embodied therein of mapping at least one web service to at least one OSGi service, the computer program product comprising:

computer readable code for creating a proxy bundle corresponding to the at least one web service;

computer readable code for registering a proxy web service corresponding to the proxy bundle in a service registry;

computer readable code for searching for the at least one web service in the service registry;

computer readable code for returning a reference to the proxy web service from the service registry in response to the searching; and

computer readable code for invoking at least one method on the returned reference, thereby invoking the at least one web service.

22. (canceled)